AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

Listing of Claims:

1. (Currently amended) A method for transmitting a message between an asynchronous mobile communication system and a core network, the asynchronous mobile communication system having a mobile station and a radio network, the method comprising the step of:

a) at the radio network, ~~discriminating an operating type of a core network(s) coupled thereto;~~

~~b) at the radio network,~~ generating and transmitting a system information message having ~~core network operating type information and~~ information related to ~~the~~ at least one core network that is interconnected to the asynchronous mobile communication system, wherein said information includes core network operating type information indicative of an operating type of said at least one core network, a public land mobile network (PLMN) identity and a minimum protocol revision;

~~c)~~ b) at the mobile station, ~~discriminating the~~ identifying operating types of ~~the~~ said at least one core network~~(s)~~ based on the system information message;

~~d)~~ c) at the mobile station, if it is determined from the number of the identified operating types that there is only one core network ~~is coupled~~ interconnected to the asynchronous mobile communication system, operating a call control entity and a mobility management entity according to the identified operating type of the core network;

~~e)~~ d) at the mobile station, if it is determined that from the number of the identified operating types that there are two or more core networks ~~are coupled~~ interconnected to

the asynchronous mobile communication system, ~~at the mobile station,~~

selecting one out of said two or more core networks ~~to be communicated with,~~ based on the system information message~~;~~ and a PLMN identity and a mobile protocol revision stored in the mobile station,

~~f)~~ operating a call control entity and a mobility management entity according to ~~an~~ the identified operating type of the selected core network~~;~~, and

~~g)~~ informing the radio network of information related to the selected core network,

wherein the step of selecting includes comparing the PLMN identity and the minimum protocol revision in system information message with the PLMN identity and the mobile protocol revision stored in the mobile station, respectively; and

~~h)~~ e) communicating messages between the mobile station and the radio network, the messages having a ~~different~~ data format ~~according~~ adapted to the identified operating type of the core network.

2. -14. (Original)

15. - 17 (Cancelled)

18. (Currently amended) A method for transmitting a message between an asynchronous mobile communication system and ~~at~~ least a core network, the mobile communication system having a mobile station and a radio network, the method comprising the step of:

a) at the mobile station, ~~discriminating the~~ identifying operating types of the at least one core ~~network(s)~~ based on a system information message received from the radio network, wherein the system information message having information related to said at least one core network that is interconnected to the asynchronous mobile communication system, said

information including core network operating type information indicative of an operating type of said at least one core network, a PLMN identity and a minimum protocol revision;

b) at the mobile station, if it is determined from the number of the identified operating types that there is only one core network ~~is coupled~~ interconnected to the asynchronous mobile communication system, operating a call control entity and a mobility management entity according to the identified operating type of the core network;

c) at the mobile station, if it is determined from the number of the identified operating types that there are two or more networks ~~are coupled~~ interconnected to the asynchronous mobile communication system, ~~at the mobile station,~~

selecting one out of said two or more core networks ~~to be communicated with,~~ based on the system information message and a PLMN identity and a mobile protocol revision stored in the mobile station~~;~~,

~~d)~~ operating a call control entity and a mobility management entity according to ~~an~~ the identified operating type of the selected core network~~;~~,and

~~e)~~ informing the radio network of information related to the selected core network~~; and~~,

wherein the step of selecting includes comparing the PLMN identity and the minimum protocol revision in system information message with the PLMN identity and the mobile protocol revision stored in the mobile station, respectively; and

~~f)~~ d) communicating messages between the mobile station and the radio network, the messages having a ~~different~~ data format ~~according~~ adapted to the identified operating type of the core network.

19. - 29. (Original)